Application No.: 10/697,772   Docket No.: JCLA10907

AMENDMENTS

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

In The Claims:

Claim 1 (currently amended) An operating system loading method, for loading an operating system from a storage device, comprising:

judging whether the operating system is first time booted or not;

creating a cluster-list-table if ~~booting the operating system is judged first time~~ the operating system is first time booted; and

loading the operating system according to the cluster-list-table.

Claim 2 (currently amended) The operating system loading method of claim 1, further comprising:

~~judging whether the operating system is first time booted or not;~~

generating a check sum if booting the operating system is judged first time; and

judging whether an operating system file is modified or not based on the check sum.

Claim 3 (currently amended) The operating system loading method of claim 1, wherein ~~making~~ creating the cluster-list-table comprises:

searching a plurality of clusters where the operating system file is saved; and

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sorting and saving as the cluster-list-table thereof according to information on the clusters.

Claim 4 (original) The operating system loading method of claim 1, wherein the storage device is a hard disk drive.

Claim 5 (original) The operating system loading method of claim 1[4], wherein the cluster-list-table is sorted based on a cylinder number, a head number, and a sector number.

Claim 6 (original) The operating system loading method of claim 1, wherein the storage device is a flash drive.

Claim 7 (original) The operating system loading method of claim 1, wherein the operating system is an embedded operating system.

Claim 8 (currently amended) An operating system loading method, for loading an operating system from a storage device, comprising:

reading a cluster-list-table;

sorting the cluster-list-table according to a new sequence of cylinder, head, and sector numbers thereof; and

loading the operating system according to the sequence of the cluster-list-table.

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Claim 9 (currently amended) The operating system loading method of claim 8, further comprising:

     judging whether the operating system is first time booted or not;

     generating a check sum for the operating system if ~~booting the operating system is judged first time~~ the operating system is first time booted; and

     judging whether an operating system file is modified or not based on the check sum.

Claim 10 (original) The operating system loading method of claim 8, further comprising:

     judging whether the operating system is first time booted or not;

     searching a plurality of clusters where the operating system file is saved if loading the operating system is judged first time; and

     sorting and saving as the cluster-list-table thereof according to information on the clusters.

Claim 11 (original) The operating system loading method of claim 8, wherein the storage device is a hard disk drive.

Claim 12 (original) The operating system loading method of claim 11, wherein the cluster-list-table is sorted based on a cylinder number, a head number, and a sector number.

Claim 13 (original) The operating system loading method of claim 8, wherein the storage device is a flash drive.

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Claim 14 (original) The operating system loading method of claim 8, wherein the operating system is an embedded operating system.

Claim 15 (new) The operating system loading method of claim 1, wherein the cluster-list-table is sorted to create a new sequence of loading the operating system.

Claim 16 (new) The operating system loading method of claim 15, wherein the cluster-list-table is sorted according to a new sequence of cylinder, head, and sector numbers of the cluster-list-table.

Claim 17 (new) The operating system loading method of claim 16, wherein the new sequence is arranged in a manner that the cylinder, head, and sector numbers thereof are arranged in an ascending order.

Claim 18 (new) The operating system loading method of claim 1, wherein the cluster-list-table is defined by an array structure of:

```
struct Cluster-list-table{
        ULONG ulNumber;
        ULONG ulSector;
        ULONG ulCylinder; .
        ULONG ulHead;
}ClustersList[ ];
```

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Claim 19 (new) The operating system loading method of claim 8, wherein the new sequence is arranged in a manner that the cylinder, head, and sector numbers thereof are arranged in an ascending order.

Claim 20 (new) The operating system loading method of claim 8, wherein the cluster-list-table is defined by an array structure of:

```
struct Cluster-list-table{

        ULONG ulNumber;

        ULONG ulSector;

        ULONG ulCylinder;

        ULONG ulHead;

}ClustersList[ ];
```

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